

# Traumatic Brain Injury -- Fatalities

## 2003

### MASSACHUSETTS RESIDENTS

INJURY CAUSE	INJURY INTENT					Total Number	Percent of Total	Rate per 100,000 <sup>2</sup>
	Uninten- tional	Intentional		Undeter- mined	Other & Legal <sup>1</sup>			
		Suicide	Homicide					
Cut/pierce	0	0	2	0	0	2	0.4	0.0
Drowning/submersion	1	0	0	0		1	0.2	--
Fall	169	2	0	1		172	36.5	2.7
Fire/burn	0	0	0	1		1	0.2	--
Firearms	1	100	19	2	0	122	25.9	1.9
Machinery	1					1	0.2	--
Natural/environmental	0					0	0.0	--
Overexertion	0					0	0.0	--
Poisoning	1	0	0	4	0	5	1.1	0.1
Struck by, against	3	0	7	0	0	10	2.1	0.2
Suffocation/hanging	0	0	0	0		0	0.0	--
Transport Injuries:	108	0	0	0	0	108	22.9	1.7
<i>Motor vehicle traffic-related</i>	104					104	22.1	1.6
<i>Occupant</i>	21					21	4.5	0.3
<i>Motorcyclist</i>	9					9	1.9	0.1
<i>Pedal cyclist</i>	1					1	0.2	--
<i>Pedestrian</i>	15					15	3.2	0.2
<i>Other person</i>	0					0	0.0	--
<i>Unspecified person</i>	58					58	12.3	0.9
<i>Pedal cyclist, other</i>	0					0	0.0	--
<i>Pedestrian, other</i>	0					0	0.0	--
<i>Other land transport</i>	4					4	0.8	--
<i>Other transport</i>	0					0	0.0	--
Other specified & classifiable	2	0	2	0	0	4	0.8	--
Other specified, not classifiable	4	0	0	1	0	5	1.1	0.1
Unspecified	17	0	3	7	0	27	5.7	0.4
No cause or intent provided						13	2.8	0.2
TOTALS	307	102	33	16	0	471	100%	7.3
RATE BY INTENT/per 100,000	4.8	1.6	0.5	0.2	--			

Source: Registry of Vital Records and Statistics, Massachusetts Department of Public Health.

<sup>1</sup> Legal Intervention includes fatalities resulting from police actions and operations of war.

<sup>2</sup> Rates are not calculated on counts of less than five. Rates that are based on counts less than twenty may be unstable. Rates provided here are not age-adjusted and may differ slightly from other department publications.

—An injury-related fatality is defined as any death with an ICD-10 code of U01-U03 or V01-Y89 in the underlying cause field.

—Categories and groupings are based on a modified version of the CDC's "Recommended framework of E-code groupings for presenting injury mortality and morbidity data." This framework does not provide for intentionality for certain cause categories as indicated by gray shading.

—Injury subcategories are italicized.

—Analysis is based on a calendar year (Jan 1 - Dec 31, 2003).

—Massachusetts residents who died in or out-of-state are included in this analysis: non-Massachusetts residents are excluded from the analysis.

—Population data used to calculate rates are based on 2003 population estimates generated by the US Census Bureau ([www.census.gov/popest/states/asrh/files/SC-EST2003-race6-AL\\_MO.csv](http://www.census.gov/popest/states/asrh/files/SC-EST2003-race6-AL_MO.csv)). Rates are not age-adjusted.

—Beginning in 1999 a new revision of the International Classification of Disease system (ICD-10) was used to code for cause of death. Please note that years prior to 1999 may not be comparable.

—Data were extracted and compiled by the Injury Surveillance Program, Center for Health Information, Statistics, Research and Evaluation, MDPH, July 2005.